

ABSTRACT

By controlling the temperature of a heating roller with high precision when in standby, good first-copy-out performance is obtained.

5 In a fixing apparatus comprising a heating roller 1, a pressure roller 2, an induction coil 3a that generates magnetic flux, and a temperature detection member (such as a thermistor) 5 that detects the temperature of the heating roller 1, in which the heating roller 1 is caused to generate heat by generating an eddy current in a heat generating layer of the heating roller
10 with magnetic flux generated by the induction coil 3a, the temperature of the heating roller 1 is controlled by disposing the temperature detection member 5 in a region where the maximum heat generating capacity of the heat generating portion of the heating roller 1 with induction heating is not less than $1/e$, and thus an unusual rise in the temperature of the heating roller 1 is
15 suppressed.